U.S. DEPARTMENT OF ENERGY

Center on Nanostructuring for Efficient Energy Conversion (CNEEC)

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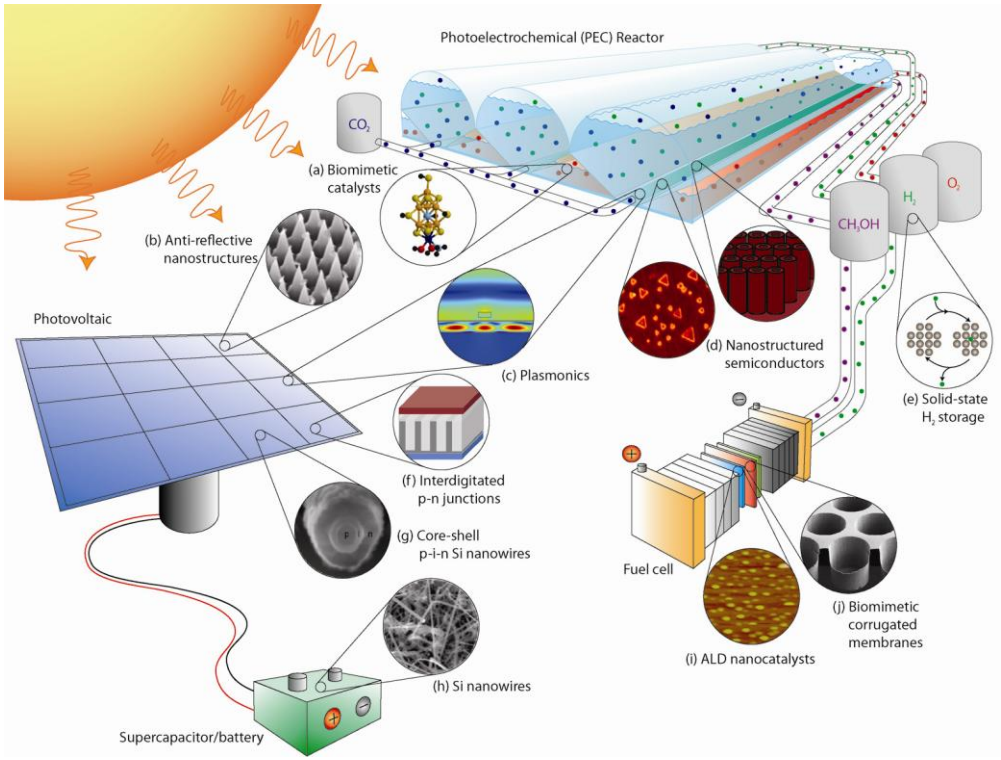
CNEEC seeks to understand and solve cross-cutting fundamental problems at the nanoscale to improve materials properties such as light absorption, charge transport, and catalytic activity. These efforts are aimed at efficient energy conversion and storage in advanced devices such as photovoltaics, fuel cells, and batteries.



RESEARCH PLAN AND DIRECTIONS

We will use nanostructuring to tune thermodynamics, enhance kinetics, manage photonics, and accelerate charge transport in materials, each of which will be used to improve performance and efficiency in energy conversion devices.

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